



Docket No. 9539-000055

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michalek et al	:	
	:	
Serial No. 10/085,743	:	Group: 2862
	:	
Filed: February 26, 2002	:	Examiner: Reena Aurora
	:	
For: <b>Press-In Exciter Ring Assembly</b>	:	

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MAR 09 2004

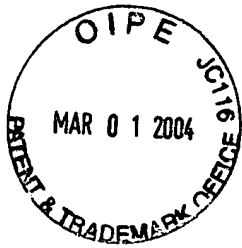
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**AFFIDAVIT OF ELIZABETH S. McGOWAN**

Sir:

The undersigned being duly sworn, states that to the best of his/her knowledge and belief:

1. I am a witness on the attached Exhibit A which is a copy of an invention disclosure submitted to the American Axle & Manufacturing patent department.
2. I understood the invention at the time I signed the information disclosure form.
3. The date of the signatures, which are whited out in Exhibit A, are prior to the effective filing date, which is November 2, 2001, of U.S. Patent No. 6,549,001.



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Further Affiant sayeth not.

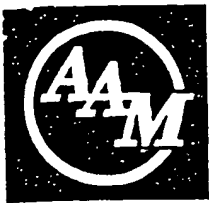
*Elizabeth S. McGowan*  
Elizabeth S. McGowan

State of Michigan )  
County of Wayne ) ss.

On this 27<sup>th</sup> day of February, 2004, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

(seal)

*D. S. S. S. S.*  
Notary Public,  
Macomb County  
State of Michigan Acting in Wayne County, MI  
My Commission Expires: 08/25/05



**AMERICAN  
AXLE &  
MANUFACTURING**

## RECORD OF INVENTION

AAM DEPARTMENT/LOCATION PRODUCT ENGINEERING / TECHNICAL CENTER

FILE NO. \_\_\_\_\_

SUBJECT PRESS-IN EXCEPT RING ASSEMBLY - ADDITIONAL FEATURES  
PLEASE PRINT OR TYPE

Inv ntor JOHN STANLEY MICHAEL Citizen of USA  
FIRST NAME FULL MIDDLE NAME LAST NAME

Social Security No. \_\_\_\_\_

Home Address \_\_\_\_\_  
STREET CITY AND STATE ZIP CODE

AAM Address 2965 TECHNOLOGY DRIVE AAM Telephone 248-299-6514  
ROCHESTER HILLS, MI. 48309-3589

Employed by (if not AAM employee) \_\_\_\_\_

Inv ntor \_\_\_\_\_ Citizen of \_\_\_\_\_  
FIRST NAME FULL MIDDLE NAME LAST NAME

Social Security No. \_\_\_\_\_

Home Address \_\_\_\_\_  
STREET CITY AND STATE ZIP CODE

AAM Address \_\_\_\_\_ AAM Telephone \_\_\_\_\_

Employed by (if not AAM employee) \_\_\_\_\_

Inv ntor \_\_\_\_\_ Citizen of \_\_\_\_\_  
FIRST NAME FULL MIDDLE NAME LAST NAME

Social Security No. \_\_\_\_\_

Home Address \_\_\_\_\_  
STREET CITY AND STATE ZIP CODE

AAM Address \_\_\_\_\_ AAM Telephone \_\_\_\_\_

Employed by (if not AAM employee) \_\_\_\_\_

(over)

# RECORD OF INVENTION

1. This invention is disclosed in the following sketches, drawings, written description, and/or technical reports (attach copies).

THESE DOCUMENTS SHOULD PROVIDE A FULL DISCLOSURE OF YOUR INVENTION AND SHOULD BE SIGNED AND DATED BY EACH INVENTOR AND BY TWO WITNESSES WHO UNDERSTAND THE INVENTION.

2. This invention was first thought of \_\_\_\_\_ on \_\_\_\_\_
3. First sketch or drawing (attach copy) was made by JOHN MICHALOK on \_\_\_\_\_
4. First written description (attach copy) was made by JOHN MICHALOK on \_\_\_\_\_
5. This invention was first disclosed to DAVE DUBOIS - CR (SEA) on \_\_\_\_\_
6. First tests (attach copy of results) were made by \_\_\_\_\_ on \_\_\_\_\_, 19\_\_\_\_.
7. This invention was or is expected to be published or disclosed outside AAM to:  
THIS FEATURE IS NOT EXPECTED TO BE EXPLICITLY on \_\_\_\_\_, 19\_\_\_\_.  
DISCLOSED OUTSIDE OF AAM / CR (SEA) on \_\_\_\_\_, 19\_\_\_\_.
8. This invention was or is expected to be used in production starting \_\_\_\_\_ on \_\_\_\_\_, 19\_\_\_\_.
9. In addition to those identified above, the following people can also testify to facts relating to the making of this invention:  
PETER MURPHY
10. The nearest thing or things to this invention that I know of are:

I HEREBY ASSIGN THIS INVENTION TO AMERICAN AXLE & MANUFACTURING, INC. AND AUTHORIZE AMERICAN AXLE & MANUFACTURING, INC. TO FILE AN APPLICATION FOR PATENT ON MY BEHALF.

This invention was reviewed and understood by me

Peter J. Murphy  
WITNESS

Elizabeth S. McGowan  
WITNESS

INVENTOR SIGNATURE

INVENTOR

DATE

INVENTOR

DATE

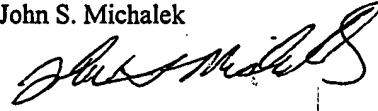
INVENTOR

DATE

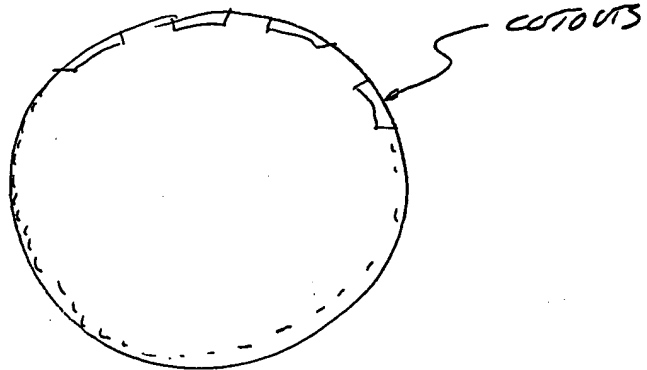
Press-In Exciter Ring Assembly – Additional Feature: Retaining ring cutouts and/or recesses

The retaining ring on the Press-In Exciter Ring Assembly when designed with cutouts and/or recesses on the outside diameter will provide an additional path for oil to flow around the Press-In Exciter Ring Assembly and thereby increase oil flow to the bearing.

John S. Michalek

A handwritten signature in black ink, appearing to read "John S. Michalek", written in a cursive style.

(A)



(B)

